APPENDIX A
Sette et al.

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Table XXIV. MHC-peptide binding assays: cell lines and radiolabeled ligands.

A. Class I binding assays

Species	Antigen	Allele	Cell line	Radiolabeled peptide			SEQ ID NO:	Notes
				Source	Sequence	IC50 nM		
Human	A1	A*0101	Steinlin	Hu. J chain 102-110	YTAVVPLVY		3539	~~no NEN in PI cocktail~~
	A2	A*0201	JY	HBVc 18-27 F6->Y	FLPSDYFPSV		3540	~~no NEN in PI cocktail~~
	A2	A*0202	P815 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPSV		3540	~~no NEN in PI cocktail~~
	A2	A*0203	FUN	HBVc 18-27 F6->Y	FLPSDYFPSV		3540	~~no NEN in PI cocktail~~
	A2	A*0206	CLA	HBVc 18-27 F6->Y	FLPSDYFPSV		3540	~~no NEN in PI cocktail~~
	A2	A*0207	721.221 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPSV		3540	~~no NEN in PI cocktail~~
	A3		GM3107	non-natural (A3CON1)	KVFPYALINK		3541	~~no NEN in PI cocktail~~
	All		BVR	non-natural (A3CON1)	KVFPYALINK		3541	~~no NEN in PI cocktail~~
	A24	A*2402	KAS116	non-natural (A24CON1)	AYIDNYNKF		3542	~~no NEN in PI cocktail~~
	A31	A*3101	SPACH	non-natural (A3CON1)	KVFPYALINK		3541	~~no NEN in PI cocktail~~
	A33	A*3301	LWAGS	non-natural (A3CON1)	KVFPYALINK		3541	~~no NEN in PI cocktail~~
	A28/68	A*6801	C1R	HBVc 141-151 T7->Y	STLPETYVVRR		3543	~~no NEN in PI cocktail~~
	A28/68	A*6802	AMAI	HBV pol 646-654 C4->A	FTQAGYPAL		3544	~~no NEN in PI cocktail~~
	B7	B*0702	GM3107	A2 sigal seq. 5-13 (L7->Y)	APRTLVYLL		3545	~~no NEN in PI cocktail~~
	B8	B*0801	Steinlin	HIVgp 586-593 Y1->F, Q5->Y	FLKDYQLL		3546	~~no NEN in PI cocktail~~
	B27	B*2705	LG2	R 60s	FRYNGLIHR		3547	~~no NEN in PI cocktail~~
	B35	B*3501	C1R, BVR	non-natural (B35CON2)	FPFKYAAAF		3548	~~no NEN in PI cocktail~~
	B35	B*3502	TISI	non-natural (B35CON2)	FPFKYAAAF		3548	~~no NEN in PI cocktail~~
	B35	B*3503	EHM	non-natural (B35CON2)	FPFKYAAAF		3548	~~no NEN in PI cocktail~~
	B44	B*4403	PITOUT	EF-1 G6->Y	AEMGKYSFY		3549	~~no NEN in PI cocktail~~
	B51		KAS116	non-natural (B35CON2)	FPFKYAAAF		3550	~~no NEN in PI cocktail~~
	B53	B*5301	AMAI	non-natural (B35CON2)	FPFKYAAAF		3550	~~no NEN in PI cocktail~~
	B54	B*5401	KT3	non-natural (B35CON2)	FPFKYAAAF		3550	~~no NEN in PI cocktail~~
	Cw4	Cw*0401	C1R	non-natural (C4CON 1)	QYDDAVYKL		3551	~~no NEN in PI cocktail~~
	Cw6	Cw*0602	721.221 transfected	non-natural (C6CON1)	YRHDGGNVL		3552	~~no NEN in PI cocktail~~
	Cw7	Cw*0702	721.221 transfected	non-natural (C6CON1)	YRHDGGNVL		3552	~~no NEN in PI cocktail~~
Mouse	D^b		EL4	Adenovirus E1A P7->Y	SGPSNTYPEI		3353	~~no NEN in PI cocktail~~
	K^b		EL4	VSV NP 52-59	RGYVFQGL		3354	~~no NEN in PI cocktail~~
	D^d		P815	HIV-IIIB ENV G4->Y	RGPYRAFVTI		3355	~~no NEN in PI cocktail~~
	K^d		P815	non-natural (KdCONI)	KFNPMKTYI		3356	~~no NEN in PI cocktail~~
	L^d		P815	HBVs 28-39	IPQSLDSYWTSL		3357	~~no NEN in PI cocktail~~

B. Class II binding assays

Species	Antigen	Allele	Cell line	Radiolabeled peptide			SEQ ID NO:	Notes
				Source	Sequence	IC50 nM		
Human	DR1	DRB1 *0101	LG2	HA Y307-319	YPKYVKQNTLKLAT		3558	
	DR2	DRB 1 * 1501	L466.1	MBP 88-102Y	VVHFFKNIVTPRTPPY		3559	
	DR2	DRB 1 * 1601	L242.5	non-natural (760.16)	YAAFAAAKTAAAFA		3560	
	DR3	DRB 1 *0301	MAT	MT 65kD Y3-13	YKTIAFDEEARR		3561	~~optimal assay pH is 4.:~~
	DR4w4	DRB 1 *0401	Preiss	non-natural (717.01)	YARFQSQTTLKQKT		3562	
	DR4w10	DRB 1 *0402	YAR	non-natural (717.10)	YARFQRQTTLKAAA		3563	
	DR4w14	DRB 1 *0404	BIN 40	non-natural (717.01)	YARFQSQTTLKQKT		3562	
	DR4w15	DRB1*0405	KT3	non-natural (717.01)	YARFQSQTTLKQKT		3562	
	DR7	DRB 1 *0701	Pitout	Tet. tox. 830-843	QYIKANSKFIGITE		3564	
	DR8	DRB 1 *0802	OLL	Tet. tox. 830-843	QYIKANSKFIGITE		3564	
	DR8	DRB 1 *0803	LUY	Tet. tox. 830-843	QYIKANSKFIGITE		3564	
	DR9	DRB 1 *0901	HID	Tet. tox. 830-843	QYIKANSKFIGITE		3564	
	DR11	DRB 1 * 1101	Sweig	Tet. tox. 830-843	QYIKANSKFIGITE		3564	
	DR12	DRB 1 * 1201	Herluf	unknown eluted peptide	EALIHQLKINPYVLS		3565	
	DR13	DRB 1 * 1302	H0301	Tet. tox. 830-843 S->A	QYIKANAKFIGITE		3566	
	DR51	DRB5*0101	GM3107 or L416.3	Tet. tox. 830-843	QYIKANAKFIGITE		3566	
	DR51	DRB5*0201	L255.1	HA 307-319	PKYVKQNTLKLAT		3567	
	DR52	DRB3*0101	MAT	Tet. tox. 830-843	NGQIGNDPNRDIL		3568	
	DR53	DRB4*0101	L257.6	non-natural (717.01)	YARFQSQTTLKQKT		3569	~~no NEM in PI mix~~
	DQ3.1	QA1*0301/DQB1*03(	PF	non-natural (ROIV)	AHAAHAAHAAHAAHAA		3570	
Mouse	IA^b		DB27.4	non-natural (ROIV)	AHAAHAAHAAHAAHAA		3570	~~optimal assay pH is 5.:~~
	IA^d		A20	non-natural (ROIV)	AHAAHAAHAAHAAHAA		3570	
	IA^k		CH-12	HEL 46-61	YNTDGSTDYGILQINS		3571	~~optimal assay pH is 5.1~~
	IA^s		LS102.9	non-natural (ROIV)	AHAAHAAHAAHAAHAA		3570	
	IA^u		91.7	non-natural (ROIV)	AHAAHAAHAAHAAHAA		3570	
	IE^d		A20	Lambda repressor 12-26	YLEDARRKKAIYEKKK		3572	~~optimal assay pH is 5.(~~
	IE^k		CH-12	Lambda repressor 12-26	YLEDARRKKAIYEKKK		3572	~~optimal assay pH is 5.(~~